

U.S. SIEVE SERIES AND SCREEN SCALE EQUIVALENTS A.S.T.M. -- E-11-87

Sieve Designation		Sieve Opening		Nominal Wire Diameter		Screen Scale Equivalent Designation
Standard	Alternate	mm	inch (approx. equivalents)	mm	inch (approx. equivalents)	
125 mm	5 in.	125	5	8	.3150	.....
106 mm	4.24 in.	106	4.24	6.40	.2520	.....
100 mm	4 in. (b)	100	4.00	6.30	.2480	.....
90 mm	3 1/2 in.	90	3.50	6.08	.2394	.....
75 mm	3 in.	75	3.00	5.80	.2283	.....
63 mm	2 1/2 in.	63	2.50	5.50	.2165	.....
53 mm	2.12 in.	53	2.12	5.15	.2028	.....
50 mm	2 in. (b)	50	2.00	5.05	.1988	.....
45 mm	1 3/4 in.	45	1.75	4.85	.1909	.....
37.5 mm	1 1/2 in.	37.5	1.50	4.59	.1807	.....
31.5 mm	1 1/4 in.	31.5	1.25	4.23	.1665	.....
26.5 mm	1.06 in.	26.5	1.06	3.90	.1535	1.050 in.
25.0 mm	1 in. (b)	25.0	1.00	3.80	.1496	.....
22.4 mm	7/8 in.	22.4	0.875	3.50	.1378	.883 in.
19.0 mm	3/4 in.	19.0	0.750	3.30	.1299	.742 in.
16.0 mm	5/8 in.	16.0	0.625	3.00	.1181	.624 in.
13.2 mm	.530 in.	13.2	0.530	2.75	.1083	.525 in.
12.5 mm	1/2 in. (b)	12.5	0.500	2.67	.1051	.....
11.2 mm	7/16 in.	11.2	0.438	2.45	.0965	.441 in.
9.5 mm	3/8 in.	9.5	0.375	2.27	.0894	.371 in.
8.0 mm	5/16 in.	8.0	0.312	2.07	.0815	2 1/2 mesh
6.7 mm	.265 in.	6.7	0.265	1.87	.0736	3 mesh
6.3 mm	1/4 in. (b)	6.3	0.250	1.82	.0717	.....
5.6 mm	no. 3 1/2 (c)	5.6	0.223	1.68	.0661	3 1/2 mesh
4.75 mm	No. 4	4.75	0.187	1.54	.0606	4 mesh
4.00 mm	No. 5	4.00	0.157	1.37	.0539	5 mesh
3.35 mm	No. 6	3.35	0.132	1.23	.0484	6 mesh
2.80 mm	No. 7	2.80	0.111	1.10	.0430	7 mesh
2.36 mm	No. 8	2.36	0.0937	1.00	.0394	8 mesh
2.00 mm	No.10	2.00	0.0787	.900	.0354	9 mesh
1.70 mm	No.12	1.70	0.0661	.810	.0319	10 mesh
1.40 mm	No.14	1.40	0.0555	.725	.0285	12 mesh
1.18 mm	No.16	1.18	0.0469	.650	.0256	14 mesh
1.00 mm	No.18	1.00	0.0394	.580	.0228	16 mesh
850 mm	No.20	0.850	0.0331	.510	.0201	20 mesh
710 mm	No.25	0.710	0.0278	.450	.0177	24 mesh
600 mm	No.30	0.600	0.0234	.390	.0154	28 mesh
500 mm	No.35	0.500	0.0197	.340	.0134	32 mesh
425 mm	No.40	0.425	0.0165	.290	.0114	35 mesh
355 mm	No.45	0.355	0.0139	.247	.0097	42 mesh
300 mm	No.50	0.300	0.0117	.215	.0085	48 mesh
250 mm	No.60	0.250	0.0098	.180	.0071	60 mesh
212 mm	No.70	0.212	0.0083	.152	.0060	65 mesh
180 mm	No.80	0.180	0.0070	.131	.0052	80 mesh
150 mm	No.100	0.150	0.0059	.110	.0043	100 mesh
125 mm	No.120	0.125	0.0049	.091	.0036	115 mesh
106 mm	No.140	0.106	0.0041	.076	.0030	150 mesh
90 mm	No.170	0.090	0.0035	.064	.0025	170 mesh
75 mm	No.200	0.075	0.0029	.053	.0021	200 mesh
63 mm	No.230	0.063	0.0025	.044	.0017	250 mesh
53 mm	No.270	0.053	0.0021	.037	.0015	270 mesh
45 mm	No.325	0.045	0.0017	.030	.0012	325 mesh
38 mm	No.400	0.038	0.0015	.025	.0010	400 mesh
32 mm	No.450		0.00126	.0011		
25 mm	No.500		0.00098	.001		
20 mm	No.635		0.00079	.0008		

(a) These standard designations correspond to the values for test sieves apertures recommended by the International Standards Organization, Geneva, Switzerland.

(b) These sieves are not in the fourth root of 2 Series, but they have been included because they are in common usage.

(c) These numbers (3 1/2 to 400) are the approximate number of openings per linear inch but it is preferred that the sieve be identified by the standard designation in millimeters or mm.

1000 mm = 1 mm.